## INTERNATIONAL SEARCH REPORT

International application No. PCT/KR2003/002302

## CLASSIFICATION OF SUBJECT MATTER IPC7 C12N 5/08 According to International Patent Classification (IPC) or to both national classification and IPC Minimum documentation searched (classification system followed by classification symbols) IPC7 C12N 5/08 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean patents and applications for inventions since 1975 Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used) NCBI PubMed database, Delphion Research Intellectual Property Network database "mesenchymal", "growth factor", "confluent", "neural cell", "replacement" DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages Category\* US 6214334 B1 (TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, PHILADELPHIA, X PA(US)) 10 April 2001 1-8 WO 2002/086108 A1 (LIFECORD INC.) 31 October 2002 1-8 WO 1996/15226 A1 (NEUROSPHERES HOLDINGS LTD.) 23 May 1996 A US 5942225 (CASE WESTERN RESERVE UNIVERSITY, CLEVELAND, OHIO; OSIRIS 1-8 THERAPEUTICS, INC., BALTIMORE, MD.) 24 August 1999 SANCHEZ-RAMOS, J., SONG, S., CARDOZO-PELAEZ, F., HAZZI, C., STEDEFORD, T., 1-2 WILLING, A., FREEMAN, T. B., SAPORTA, S., JANSSEN, W., PATEL, N., COOPER, D. R., SANBERG, P. R. 'Adult bone marrow stromal cells differentiate into neural cells in vitro' In Exp. Neurol. (August 2000) Vol.164(2):247-256 SCHULDINER, M., YANUKA, O., ITSKOVITZ-ELDOR, J., MELTON, D. A., BENVENISTY, A N. 'Effects of eight growth factors on the differentiation of cells derived from human embryonic stem cells' In Proc. Natl. Acad. Sci. U.S.A. (10 October 2000) Vol.97(21):11307-11312 SUGAYA, K. 'Neuroreplacement therapy and stem cell biology under disease conditions' In Cell. Mol. Life Sci. (September 2003) Vol.60(9):1891-1902 See patent family annex. Further documents are listed in the continuation of Box C. "T" later document published after the international filing date or priority Special categories of cited documents: date and not in conflict with the application but cited to understand "A" document defining the general state of the art which is not considered the principle or theory underlying the invention to be of particular relevance "X" document of particular relevance; the claimed invention cannot be earlier application or patent but published on or after the international considered novel or cannot be considered to involve an inventive filing date step when the document is taken alone document which may throw doubts on priority claim(s) or which is document of particular relevance; the claimed invention cannot be cited to establish the publication date of citation or other considered to involve an inventive step when the document is special reason (as specified) combined with one or more other such documents, such combination "O" document referring to an oral disclosure, use, exhibition or other being obvious to a person skilled in the art means document published prior to the international filing date but later \*&\* document member of the same patent family than the priority date claimed Date of mailing of the international search report Date of the actual completion of the international search 12 JULY 2004 (12.07.2004) 09 JULY 2004 (09.07.2004) Authorized officer Name and mailing address of the ISA/KR Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, AHN, Kyu Jeong Republic of Korea Telephone No. 82-42-481-5026 Facsimile No. 82-42-472-7140

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International application No.
PCT/KR2003/002302

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)					
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:					
1. Claims Nos.: 8 because they relate to subject matter not required to be searched by this Authority, namely:  Although claim 8 is directed to a method of treatment of the human/animal body, the search has been carried out based on the alleged effects of the neural cells produced by the method of claims 1-6.					
Claims Nos.:     because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:					
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).					
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)					
This International Searching Authority found multiple inventions in this international application, as follows:					
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.					
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any addition fee.					
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:					
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:					
Remark on Protest					
No protest accompanied the payment of additional search fees.					

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.
PCT/KR2003/002302

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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